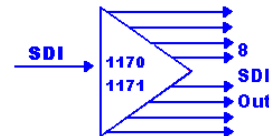
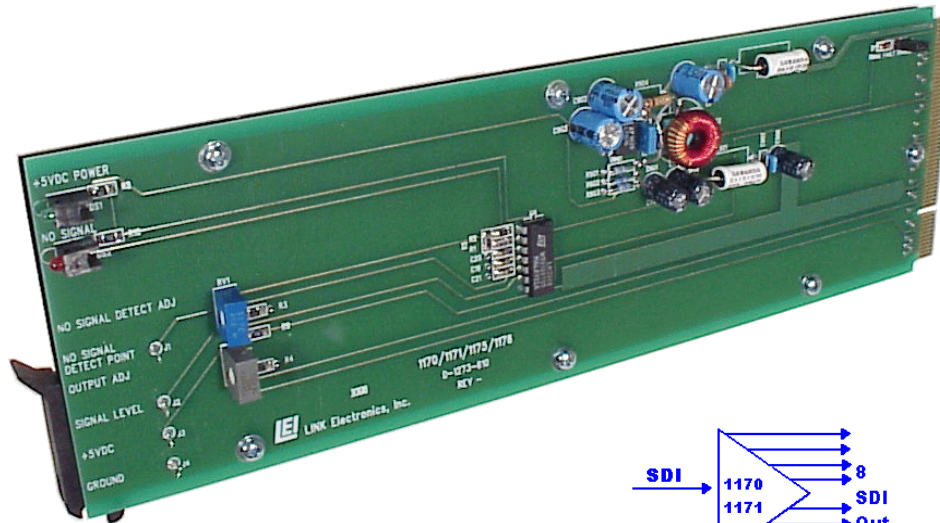




**LINK ELECTRONICS, INC.**

## SDI DISTRIBUTION AMPLIFIER 1 X 8 DigiFlex 1170/1171



### FEATURES

- ◆ Accepts All Standards
- ◆ Serial Digital Input
- ◆ Eight Serial Outputs
- ◆ Re-Shaped
- ◆ Equalized
- ◆ Fault Indication

### Mounting Frame Options

- 1000 - Single Power Supply, Holds 11 Modules
- 1000/2 - Dual Power Supply, Holds 10 Modules
- 7200 - Mounting Frame, Holds 1 Module

The LINK 1170/1171 DigiFlex serial digital (SDI) video distribution amplifier restores the incoming signal to its proper amplitude. The signal is reshaped with automatic equalization, re-sliced and DC restored. Eight outputs are provided on a removable rear cell. A module fault LED on the front edge of the module indicates that the input signal level is below a pre-set threshold. This threshold may be adjusted to suit the users needs. A second module fault LED is located on the rear cell and is therefore visible from the back of the equipment rack.

A rear I/O module must be selected for the specific front signal module. The signal module and rear I/O module, with the flexibility of the frame, place virtually no limits on the versatility of the DigiFlex 1000 system.

The 1170 and 1171 accepts composite 143 Mb/s and 177Mb/s, component 270Mb/s, and 16:9 aspect ratio 360Mb/s standards. The module is transparent to the incoming signal data rate. **The 1171 output level can be user adjusted between 600mV and 1100 mV. The 1170 has a fixed output level of 800mV.**

The 1000 series DigiFlex modules are compact designs that allow eleven modules to mount in the 1000 frame or ten modules with a redundant power supply. Any DigiFlex series modules will operate in the 1000 frame in any configuration, digital or analog, video or audio. The 1000 system is well suited for small or large systems. The product is backed by a ten-year warranty including parts and labor.

# DIGIFLEX 1170/1171 SDI VIDEO DISTRIBUTION AMPLIFIER

## SPECIFICATIONS

### SERIAL DIGITAL VIDEO INPUT:

Standard: ..... 143Mb/s, SMPTE 259M-C  
..... 177Mb/s  
..... 270Mb/s  
..... 360Mb/s  
Impedance: ..... 75Ω  
Return Loss: ..... >20dB  
Signal Level: ..... 800mV±10%  
CMR: ..... 30Vp-p, up to 60Hz  
Connectors: ..... BNC  
Equalization: ..... Automatic up to >30dB

### SERIAL VIDEO OUTPUTS:

Number of Outputs: ..... 8  
Standards: ..... Same as input  
Connectors: ..... BNC  
Impedance: ..... 75Ω  
Return Loss: ..... >20dB  
Signal Level: ..... (1170) 800mV ±10%  
Output Level: ..... Adj. 410mV to 1080mV (1171 only)  
DC Offset: ..... 0V±0.5V  
Rise & Fall Time: ..... 1nS ±250 ps  
Overshoot: ..... <10% of Amplitude  
Through Delay: ..... 4nS  
Input Cable Length, Max.: ..... 500 Ft.

### FRONT CONTROLS & INDICATORS:

Power: ..... Green LED  
No Signal: ..... Red LED  
No Signal Detect Adj: ..... Potentiometer  
Detect Point: ..... Test Point  
+5VDC: ..... Test Point  
Ground: ..... Test Point

### ENVIRONMENTAL:

Temperature: ..... 0° to 50°C Ambient  
Humidity: ..... 10% to 90% non-condensing  
Power: ..... 320mW

### MECHANICAL:

Height: ..... 3.2 Inch  
Width: ..... 1.0 Inch  
Length: ..... 10 Inch  
Weight: ..... 7.25 Oz

**LINK** ELECTRONICS, INC.

2137 Rust Avenue  
Cape Girardeau, MO 63703  
Phone: 573 334 4433  
FAX: 573 334 9255

PROFESSIONAL SERIES--

modular system products--by **LINK**

1170-1171/072202

#### Rear Cell I/O

0. Input  
1. Output  
2. Output  
3. Output  
4. Output  
5. Output  
6. Output  
7. Output  
8. Output



**1070/1071  
REARCELL**